

Wided BATITA FARHAT

Danet Abu Dhabi, Abu Dhabi, UAE

**Teaching and research
experience :9 years**

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PROFESSIONAL EXPERIENCE

July 2018-Now: Online Post doc Fellowship, Sherbrooke University, Quebec, Canada

July – October 2017: Researcher, Abu Dhabi University, Abu Dhabi, UAE

February – June 2017: Adjunct Faculty in Environmental Science, Abu Dhabi University, Abu Dhabi, UAE

2016- Now: Reviewer in journals

2011-2015: Teaching assistant at Laval University, Quebec, Canada

2009- 2015: Research assistant at Laval University, Quebec, Canada

EDUCATION

2009-2016 Ph. D in Geomatics

Geomatics department, Laval University, Canada.

Thesis title: Proposal of new WikiGIS features to support the collaborative dimension of Geodesign process.

2006-2008 M. Sc. in Environmental management

GeoInformatics department, MAICh, Crete, Greece.

Master thesis title: Examining resolution effects on the prediction and estimation of soil erosion by water using RUSLE and MUSLE models, Kolymvari, Crete, Greece.

2003-2005 Engineer in Environment and Aquatic resources

Aquatic resources department, INAT, Tunisia.

2001-2003 Undergraduate degree in Biology- Geology

Chott Meriem Institut, Tunisia

RESEARCH INTERESTS

Environment; GIScience; Management system; Geodesign; Planning; Remote Sensing; LiDAR; DInSAR, Cartography; Web Mapping; GeoWeb; Spatial Analysis; Spatial Database; Modeling; Risk assessment; Statistics.

COMPUTER SKILLS

- Microsoft Office: Word, Excel, PowerPoint, Access
- Digital Mapping Packages: AutoCAD and SketchUp.
- GIS software: ArcGIS (from version 9.2 to 10.3), ERDAS IMAGINE, QGIS, MapInfo, FME, GeoKettle
- Photogrammetric Software: PCI, and ERDAS IMAGINE.
- Remote Sensing Software: ERDAS IMAGINE, and IDRISI.
- Programming models with relational database system: Perceptory, Visual paradigm, Visio
- Internet Programming: HTML, JavaScript, Open Layer2
- Adobe software: Dreamweaver, Photoshop, After Effects, Captivate
- Mind Mapping software: Free Mind, C-Map

LANGUAGES

- Arabic: Native language
- English: good written and spoken (succeeded TOEFL and TWE)
- French: fluent written and spoken
- Greek: basic

PUBLICATIONS

- Batita, W. and Farhat, Y. 2020. Smartest cities, happiest cities and the whole world are fitting COVID19, short paper accepted in 3d Conference of the Arabian Journal of Geosciences, 6p.
- Batita, W., B. Dixon and I. Manakos, 2020. Comparison of RUSLE and MUSLE models to predict and estimate soil erosion using QUICKBIRD satellite imagery, Chapter in a book 'Examples of GIS use for environmental applications', under process. 15p.
- Batita, W. and R. Meziani, 2020, The Urbanization of Abu Dhabi City thru time Towards a Smart City, Submitted in Geo-Spatial Information Science. 20p.
- Batita, W., 2019. GeoWeb 2.0 applications could support the Geodesign process, 'Revue Internationale de la Géomatique', Volume 29, Numéro 3-4. 22p.
- Batita, W., S. Roche, and C. Claude, 2019, A Qualitative Study of the Relevance of the WikiGIS Functionalities to the Collaborative Dimension of the Geodesign Process, Chapter in 'Mapping and Spatial Analysis of Socio-economic and Environmental Indicators for Sustainable Development', Part of the Advances in Science, Technology & Innovation book series (ASTI), pp 13-25.

- Batita, W. 2018. Land Use Land Cover Diachronic Change Detection Between 1996 and 2016 of region of Gabes, Tunisia, IEREK Interdisciplinary Series for Sustainable Development in book 'Advances in Remote Sensing and Geo Informatics Applications'. 4p.
- Bouroubi, Y., Batita, W., Cavayas, F., and Tremblay, N. 2018. Ground reflectance retrieval on horizontal and inclined terrains using the software package REFLECT, Remote sensing journal. 31p.
- Batita, W., 2017, Integrating Multicriteria Decision Analysis and GIS for soil erosion by water risk assessment in Elafonisos- Somaros area, Crete, Greece, Journal of Scientific Association for Water Information Systems. 10p.
- Batita, W., S. Roche, and C. Claude, 2016, A Simulated Scenario of WikiGIS to Support the Iteration and Traceability Management of the Geodesign Process, World Academy of Science, Engineering and Technology International Journal of Computer, Electrical, Automation, Control and Information Engineering. 9p.
- Batita, W., S. Roche, Y. Bédard, C. Caron, 2014, Towards a conceptual framework for WikiGIS, Online journal Future internet special issue "NeoGeography and Wiki Planning 2014". 32p.
- Batita, W., S. Roche, Y. Bédard, C. Caron, 2012, WikiSIG et Geodesign collaboratif : proposition d'un cadre théorique, Revue internationale de géomatique, Numéro spécial GeoDesign. 31p.
- Roche, S., B., Mericskay, W., Batita, M., Bach, and M., Rondeau, 2012, WikiGIS basic concepts: web 2.0 for geospatial collaboration, online journal Future Internet, Special Issue "NeoGeography and WikiPlanning2012". 20 p.

CONFERENCES

- Batita, W., 2019, GeoWeb 2.0 technologies for Geodesign process, ISEE Geomatics, Tunisia, Monastir 25-27 March 2019. Oral Communication.
- Batita, W., 2019, Geodesign and Smart City, Workshop in ISEE Geomatics, Tunisia, Monastir 25-27 March 2019.
- Meziani, R. and Batita, W., 2018, Land use change dynamics in ABU DHABI, Presented in 1st International Conference Construction and Urban Future: The sustainability and Resilience of Cities Infrastructures, Communities and Architectures, Abu Dhabi, UAE, March 18-19 March 2018.
- Batita, W., 2017, Using MUSLE model and GIS to predict and estimate soil erosion, Presented in 4th International Conference on Geology and Geoscience, Dubai, UAE, April 27-28th, 2017. Oral communication.
- Batita, W., S. Roche, and C. Claude, 2016, A Simulated Scenario of WikiGIS to Support the Iteration and Traceability Management of the Geodesign Process, 18th International Conference on Geographic Information Science and Technology, Dubai, UAE, December, 26-27, 2016. E-Poster.
- Batita, W., 2016, Integrating Multicriteria Decision Analysis and GIS for soil erosion by water risk assessment in Elafonisos- Somaros area, Crete, Greece, SAWIS conference, 10-12 November 2016, Marrakech, Morocco. E-Poster.

- Batita, W., 2015, Importance de la gestion de la traçabilité en WikiSIG dans le processus du Geodesign, GIS day, 16 Novembre, Université Laval, Québec, Canada. Poster communication.
- Batita, W. et Roche, S., 2015, WikiSIG : Outil pour le Geodesign en particulier et l'aménagement du territoire en général. ISEE Geomatics, Tataouine, Tunisie, 25-27 Mars 2015.
- Batita, W., and Roche, S., 2015, WikiSIG : Simulation in Geodesign process. 9th edition of the international congress Geo Tunis, Hammamet, Tunisie, 01-05 Avril 2015. Communication orale et affiche.
- Batita, W., and S. Roche, 2014, WikiSIG supporte-t-il le processus de Geodesign?, Colloque facultaire FFGG, 12-13 Novembre, Université Laval, Québec, Canada, 2014.
- Batita, W., 2014, WikiSIG et processus de Geodesign, GIS day, 19 Novembre, Université Laval, Québec, Canada. Communication par affiche, 2014.
- Batita, W., and S. Roche, 2011, WikiSIG and collaborative Geodesign, Géomatique 2011, 12-13 Octobre, Montréal, Canada, 2011.
- Batita, W., S. Roche, Y. Bédard, C. Caron, 2011, WikiGIS: who's the cartographic writer? Symposium Latsis EPFL 2011, Mapping Ethics. New trends in cartography and Social Responsibility, 14 et 15 avril, Lausanne Suisse, 2011.
- Roche, S., B. Mericskay et W. Batita, 2010, Le WikiSIG un outil pour travailler ensemble, Outils Pour Décider Ensemble - OPDE 2010, 25 et 26 Octobre, Montpellier, France, 2010.
- Batita, W., and S. Roche, 2009, Concept d'un nouvel outil Géomatique 2.0 de type WikiSIG dans un travail collaboratif, Colloque facultaire FFGG 2009, 11-12 Novembre, ULaval Québec (Qc), Canada. Communication orale et communication par affiche, 2009.
- Batita, W., and S. Roche, 2009, Concept d'un nouvel outil Géomatique 2.0 de type WikiSIG dans un travail collaboratif en ingénierie territoriale, Géomatique 2009, 21-22 Octobre, Montréal, Canada, 2009.

PRIZES AND DISTINCTIONS

- Prize the best poster in SAWIS conference, Marrakech, Morocco 2016
- Primes for paper's publication in a scientific journals 2012 and 2014
- Prize ESRI, Canada 2010
- Prize the best poster in Faculty congress FFGG, Laval, Canada 2009
- Prize of Agricultural minister of Tunisia 2006

PROJECTS

- July- September 2017: Study of the Land use change dynamics in ABU DHABI: Analysis and modelling project with Dr. Rim Meziani, Abu Dhabi University, Abu Dhabi, UAE.
- October 2015-January 2016: LiDAR project under the supervision of Dr. Mir Abolfasl Mostafavi, Laval University, Quebec, Canada.
- September 2015- December 2015: Smart cities project under the supervision of Dr. Stéphane Roche, Laval University, Quebec, Canada.

- February 2009-December 2015: WikiGIS project under the supervision of Dr. Stéphane Roche, Laval University, Quebec, Canada.

TRAINING

Summer 2014	Smart cities Geomatics department, Laval University
Summer 2010	GIS and spatial analysis ESRI Canada, Québec, Canada

SCHOLARSHIPS

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| • Scholarship from the Ph.D's supervisor during my Ph.D | 2009 - 2015 |
| • Ph.D support Fund | 2009 - 2012 |
| • Scholarship from CHEAM during master program in Greece | 2006 - 2008 |

AFFILIATIONS

- 2016- Now: Member of Scientific and Technical Committee & Editorial Review Board on Geomatics and Civil Engineering.
- 2015-Now: Member in organizer and scientific Committee of ISEE Geomatics.
- 2015- Now: Member of the Tunisian Association of Geomatics.
- 2009-Now: Member of Centre for Research in Geomatics, Laval University, Canada
- 2006-Now: Member of Order of Tunisian Engineers (Ordre des Ingenieurs Tunisiens).